

ABSTRACT

Controllable solenoid valve in which, due to the interaction between a magnetic force caused by an electrical flow and a spring force acting against the magnetic force, at least one first sealing body in the interior of a valve housing is displaced in axial direction between two final positions whereby moving relative to its first sealing seat. The interior extends from one electromagnet to a connection. To enable, in a simple manner, a specific reproducible influencing of the sequence speed of cylinder controls in hydraulic drives and to prevent uncontrolled movements by these drives, the first sealing seat up to the first sealing body is provided with an axially extending cylindrical housing inside of which a slide is axially displaced according to the electrical flow. The cylindrical housing comprises radially oriented passages, whereby these passages are closed if the first sealing body is located in a final position in its first sealing seat or in the immediate vicinity of the first sealing seat, and the passages are opened if the first sealing body is located in the opposite final position.

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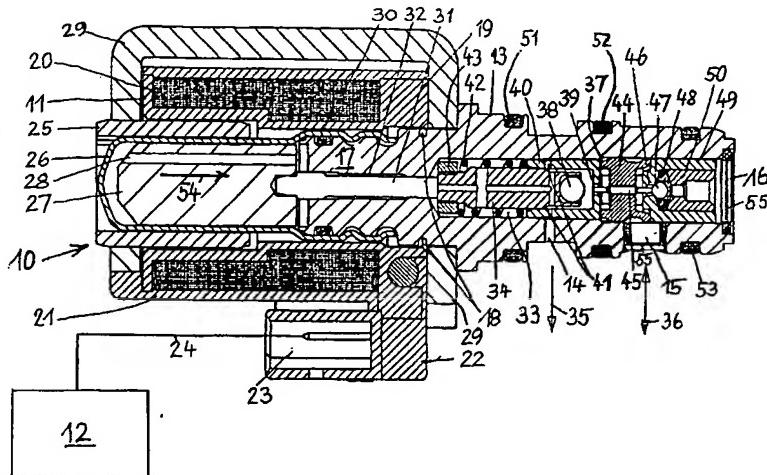
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(54) Title: CONTROLLABLE SOLENOID VALVE

(54) Bezeichnung: STEUERBARES MAGNETVENTIL



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(57) Abstract: The invention relates to a controllable solenoid valve in which, due to the interaction between a magnetic force caused by an electrical flow and a spring force working against the magnetic force, at least one first sealing body in the interior of a valve housing is displaced in an axial direction between two final positions whereby moving relative to its first sealing seat. The interior extends from an electromagnet to a connection. The aim of the invention is to enable, in a simple manner, a specific reproducible influencing of the sequence speed of cylinder controls in hydraulic drives and to prevent uncontrolled movements by these drives. To this end, the first sealing seat up to the first sealing body is provided with an axially extending cylindrical housing inside of which a slide is axially displaced according to the electrical flow. The cylindrical housing comprises radially oriented passages, whereby these passages are closed when the first sealing body is located in a final position in its first sealing seat or in the immediate vicinity of the first sealing seat, and these passages are opened when the first sealing body is located in the opposite final position.

(57) Zusammenfassung: Steuerbares Magnetventil, bei dem mindestens ein erster Dichtkörper im Innenraum eines Ventilgehäuses in Wechselwirkung zwischen einer durch eine elektrische Bestromung hervorgerufene Magnetkraft und einer der Magnetkraft entgegen wirkenden Federkraft relativ zu seinem ersten Dichtsitz zwischen zwei Endlagen in axialer Richtung bewegt wird, wobei der Innenraum

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